LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054365.D
Acq On : 22 Jul 2022 18:38
Operator : CG/JU
Sample : N3835-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MH-191E

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054365.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.568 | 364 | 371 | 385 | rVB | 293425 | 508730 | 25.92% | 5.017% |
| 2 | 7.172 | 637 | 644 | 655 | rBV | 334203 | 581703 | 29.64% | 5.737% |
| 3 | 7.989 | 777 | 783 | 791 | rBV | 57820 | 99019 | 5.05% | 0.977% |
| 4 | 9.152 | 973 | 981 | 997 | rBB | 201247 | 375185 | 19.12% | 3.700% |
| 5 | 10.797 | 1254 | 1261 | 1268 | rBV | 79870 | 143994 | 7.34% | 1.420% |
| 6 | 13.247 | 1671 | 1678 | 1690 | rBB | 712416 | 1110981 | 56.62% | 10.957% |
| 7 | 14.628 | 1906 | 1913 | 1919 | rBV | 151097 | 242397 | 12.35% | 2.391% |
| 8 | 16.115 | 2159 | 2166 | 2179 | rBV2 | 654081 | 1039720 | 52.98% | 10.255% |
| 9 | 17.372 | 2373 | 2380 | 2384 | rBV | 203483 | 327006 | 16.66% | 3.225% |
| 10 | 17.413 | 2384 | 2387 | 2394 | rVV | 70869 | 101213 | 5.16% | 0.998% |
| 11 | 17.495 | 2396 | 2401 | 2407 | rVB3 | 14405 | 27849 | 1.42% | 0.275% |
| 12 | 18.247 | 2523 | 2529 | 2533 | rBV | 16061 | 29441 | 1.50% | 0.290% |
| 13 | 18.294 | 2533 | 2537 | 2545 | rVB3 | 21496 | 35376 | 1.80% | 0.349% |
| 14 | 18.441 | 2556 | 2562 | 2565 | rBV4 | 19860 | 38475 | 1.96% | 0.379% |
| 15 | 18.741 | 2607 | 2613 | 2617 | rBV | 13743 | 21891 | 1.12% | 0.216% |
| 16 | 19.158 | 2680 | 2684 | 2690 | rBV2 | 16550 | 31663 | 1.61% | 0.312% |
| 17 | 19.305 | 2704 | 2709 | 2715 | rVB3 | 11613 | 21132 | 1.08% | 0.208% |
| 18 | 19.423 | 2723 | 2729 | 2735 | rVB | 226369 | 316903 | 16.15% | 3.126% |
| 19 | 19.752 | 2780 | 2785 | 2786 | rBV | 42699 | 50535 | 2.58% | 0.498% |
| 20 | 19.781 | 2786 | 2790 | 2799 | rVV | 199018 | 315175 | 16.06% | 3.108% |
| 21 | 19.851 | 2799 | 2802 | 2809 | rVB4 | 14344 | 24409 | 1.24% | 0.241% |
| 22 | 19.981 | 2816 | 2824 | 2830 | rBV | 1410712 | 1962339 | 100.00% | 19.354% |
| 23 | 20.104 | 2839 | 2845 | 2847 | rBV3 | 19517 | 34295 | 1.75% | 0.338% |
| 24 | 20.274 | 2864 | 2874 | 2879 | rVB3 | 31253 | 76039 | 3.87% | 0.750% |
| 25 | 20.433 | 2896 | 2901 | 2905 | rVB3 | 22967 | 38475 | 1.96% | 0.379% |
| 26 | 20.574 | 2921 | 2925 | 2930 | rBV | 17583 | 32299 | 1.65% | 0.319% |
| 27 | 21.032 | 2999 | 3003 | 3009 | rBV | 30755 | 50705 | 2.58% | 0.500% |
| 28 | 21.215 | 3030 | 3034 | 3037 | rBV2 | 15201 | 22033 | 1.12% | 0.217% |
| 29 | 21.273 | 3038 | 3044 | 3047 | rBV2 | 24101 | 50398 | 2.57% | 0.497% |
| 30 | 21.367 | 3057 | 3060 | 3068 | rVB | 23869 | 38152 | 1.94% | 0.376% |
| 31 | 21.632 | 3097 | 3105 | 3110 | rBV3 | 274700 | 657992 | 33.53% | 6.490% |
| 32 | 21.679 | 3110 | 3113 | 3122 | rVB | 112606 | 186297 | 9.49% | 1.837% |
| 33 | 21.826 | 3135 | 3138 | 3144 | rVB3 | 19079 | 29005 | 1.48% | 0.286% |
| 34 | 23.083 | 3346 | 3352 | 3361 | rVB3 | 67797 | 146698 | 7.48% | 1.447% |
| 35 | 23.823 | 3469 | 3478 | 3485 | rBV2 | 96997 | 339410 | 17.30% | 3.348% |
| 36 | 24.534 | 3592 | 3599 | 3610 | rVB2 | 59208 | 170016 | 8.66% | 1.677% |

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Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-191E

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 24.681 | 3616 | 3624 | 3635 | rVB | 82179 | 243374 | 12.40% | 2.400% |
| 38 | 24.834 | 3642 | 3650 | 3659 | rBV2 | 137900 | 405661 | 20.67% | 4.001% |
| 39 | 28.494 | 4264 | 4273 | 4289 | rVB4 | 47181 | 213154 | 10.86% | 2.102% |

Sum of corrected areas: 10139139

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
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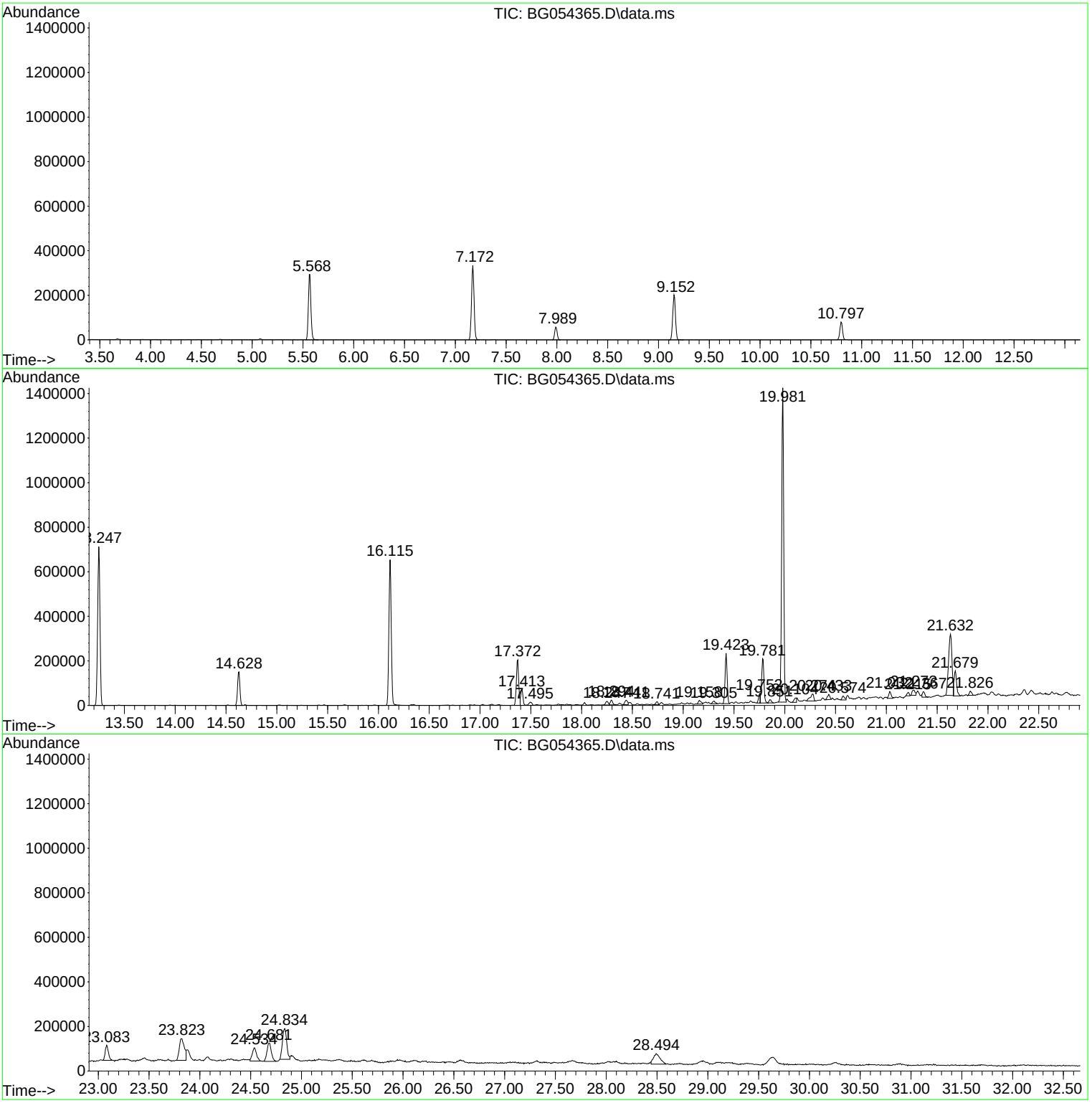
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-191E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054365.D
Acq On : 22 Jul 2022 18:38
Operator : CG/JU
Sample : N3835-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-191E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

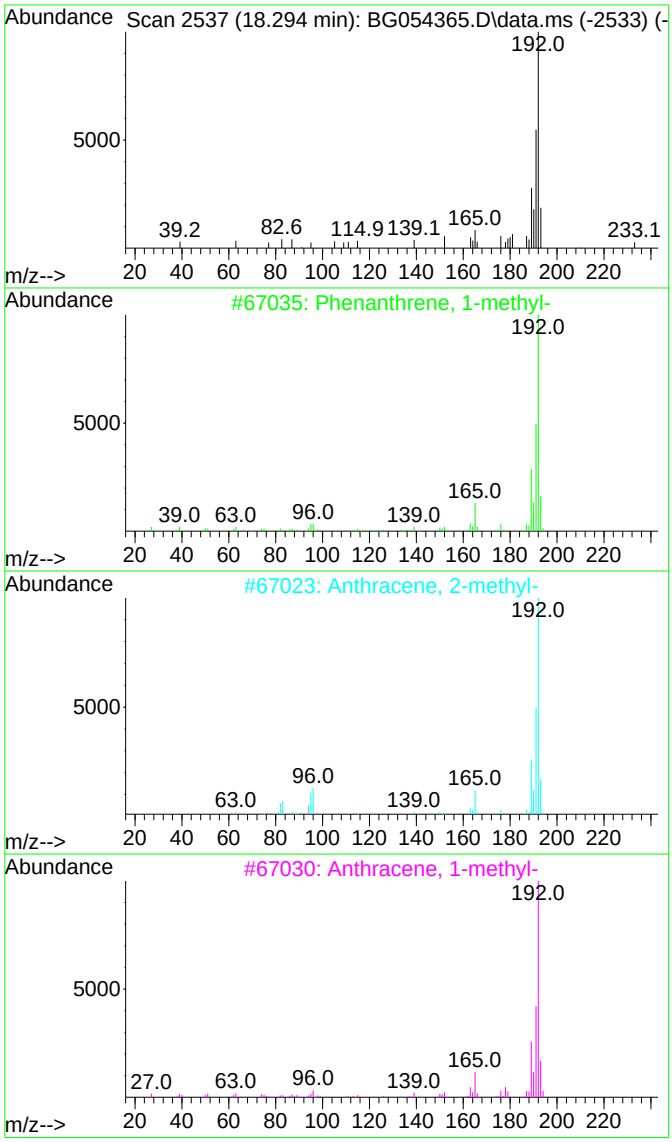
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

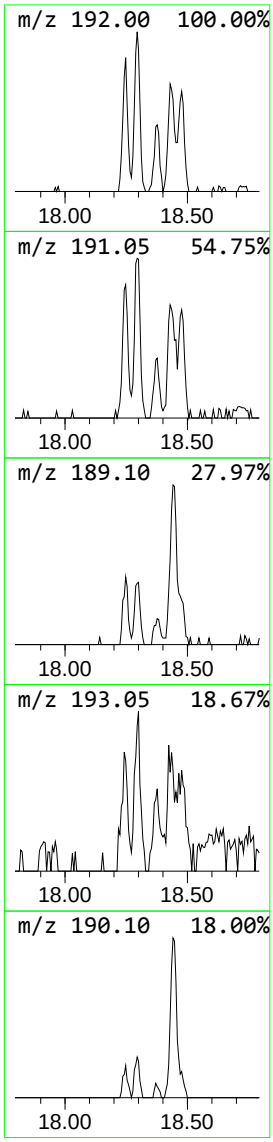
**********

Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.294 | 2.16 ng | 35376 | Phenanthrene-d10 | 17.372 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 81 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 81 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 81 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 81 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054365.D
Acq On : 22 Jul 2022 18:38
Operator : CG/JU
Sample : N3835-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-191E

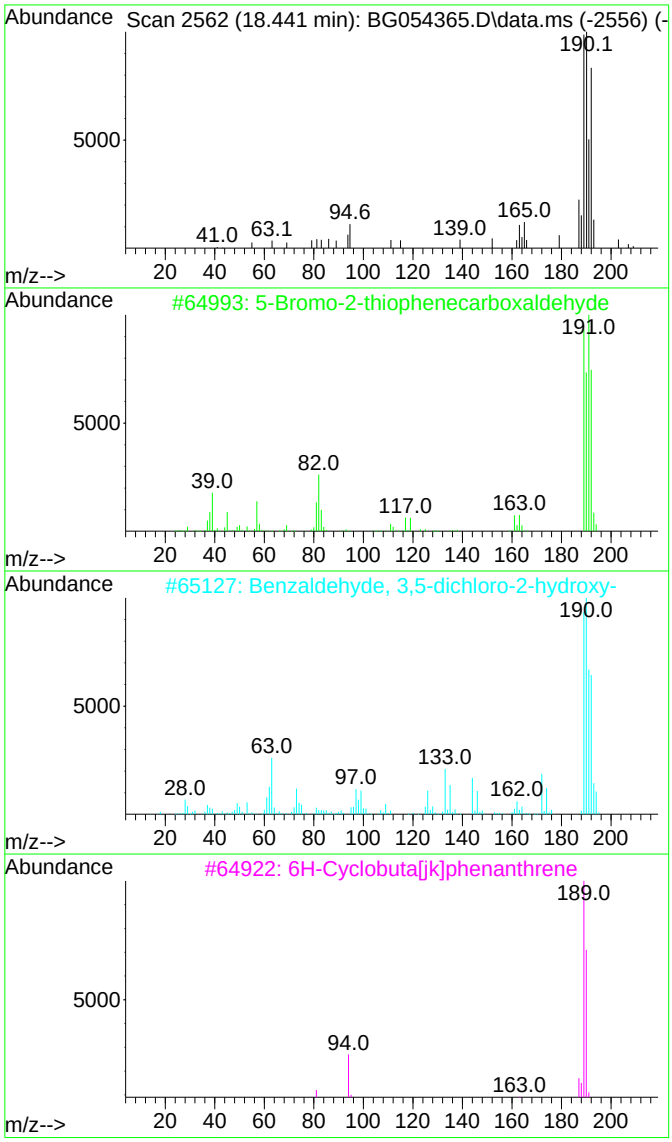
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

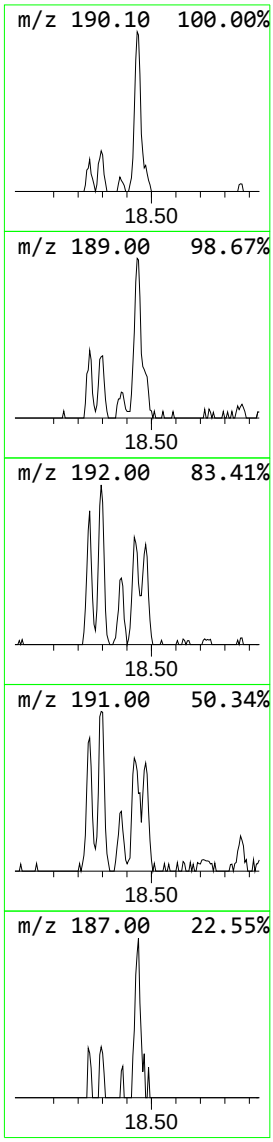
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 5-Bromo-2-thiophenecarboxal... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.441 | 2.35 ng | 38475 | Phenanthrene-d10 | 17.372 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Bromo-2-thiophenecarboxaldehyde | 190 | C5H3BrOS | 004701-17-1 | 64 |
| 2 | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 58 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 49 |
| 4 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 46 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054365.D
Acq On : 22 Jul 2022 18:38
Operator : CG/JU
Sample : N3835-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-191E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

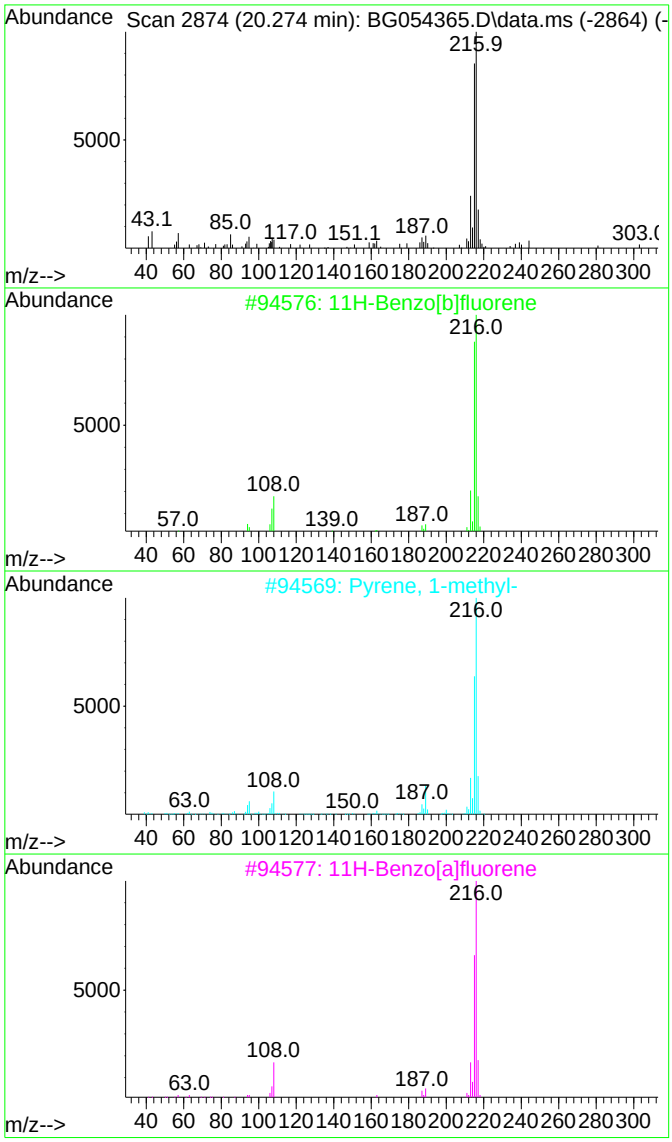
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

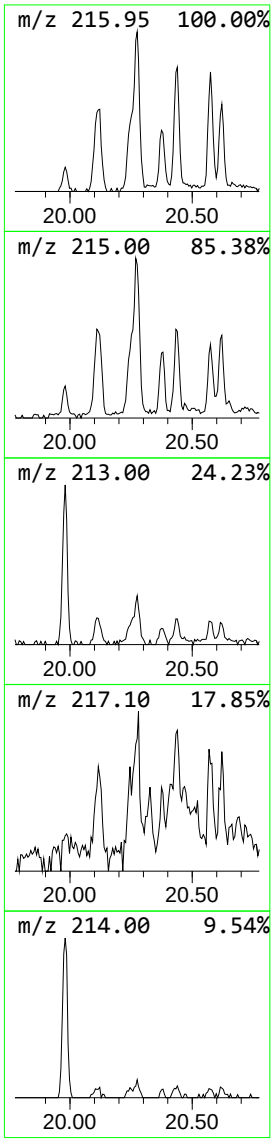
**********

Peak Number 3 11H-Benzo[b]fluorene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.275 | 2.31 ng | 76039 | Chrysene-d12 | 21.632 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 90 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 81 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054365.D
Acq On : 22 Jul 2022 18:38
Operator : CG/JU
Sample : N3835-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-191E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

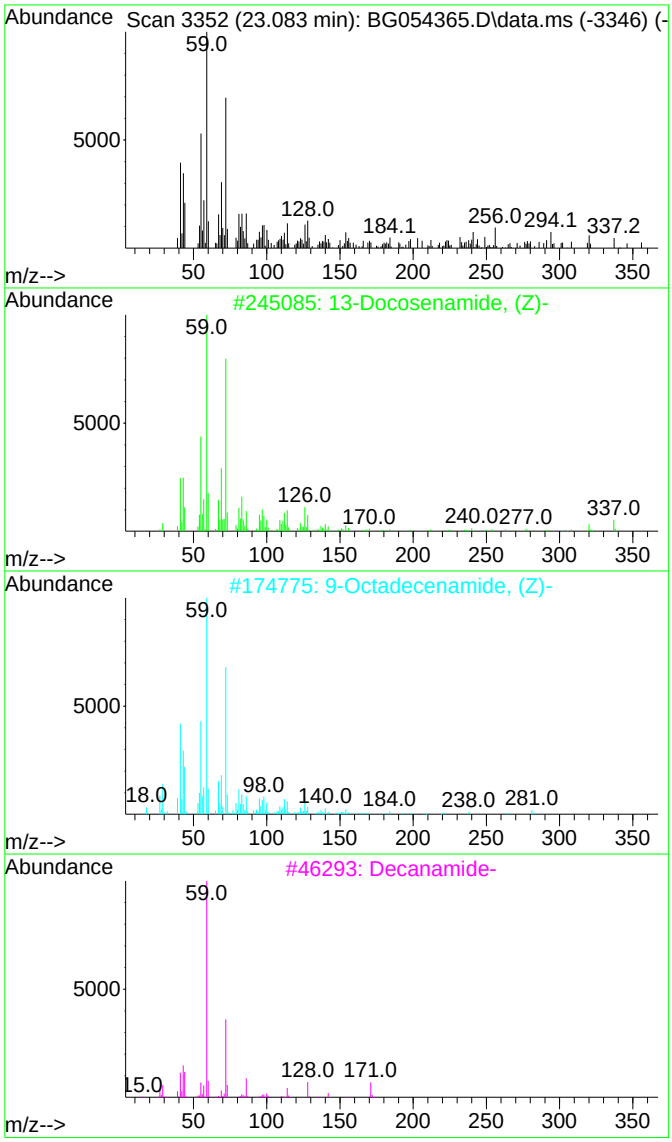
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

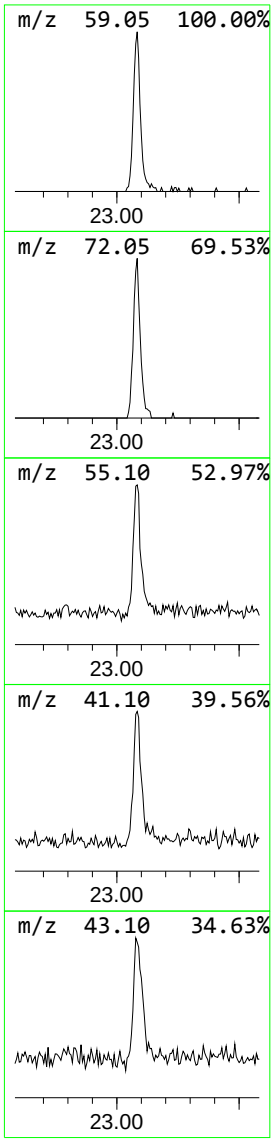
**********

Peak Number 4 13-Docosenamide, (Z)- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.083 | 4.46 ng | 146698 | Chrysene-d12 | 21.632 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 13-Docosenamide, (Z)- | 337 | C22H43NO | 000112-84-5 | 93 |
| 2 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 76 |
| 3 | Decanamide- | 171 | C10H21NO | 002319-29-1 | 64 |
| 4 | Tetradecanamide | 227 | C14H29NO | 000638-58-4 | 59 |
| 5 | Palmitoleamide | 253 | C16H31NO | 106010-22-4 | 59 |



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Acq On : 22 Jul 2022 18:38
Operator : CG/JU
Sample : N3835-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-191E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

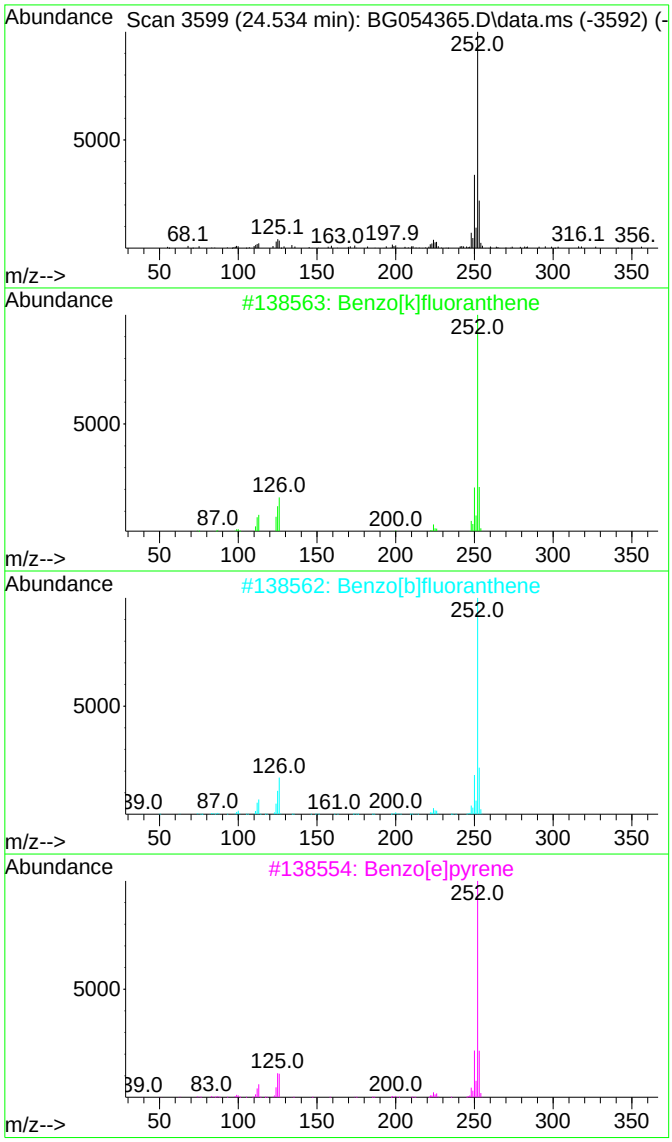
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

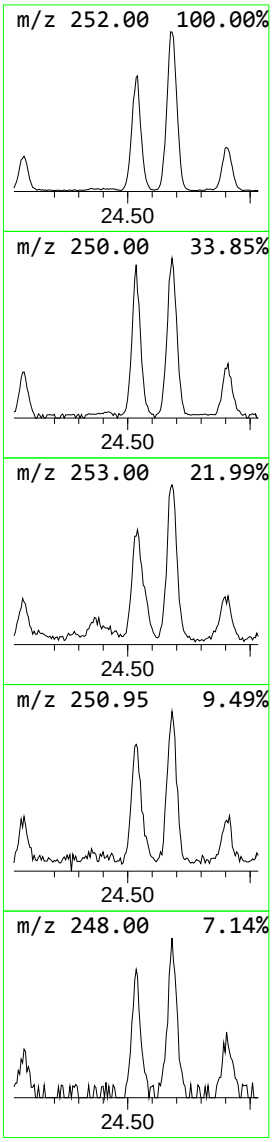
**********

Peak Number 5 Benzo[e]pyrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.534 | 8.38 ng | 170016 | Perylene-d12 | 24.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 90 |
| 2 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 90 |
| 3 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 83 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 81 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 81 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
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**Instrument :**
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**ClientSampleId :**
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Phenanthrene, 1... | 18.294 | 2.2 | ng | 35376 | 4 | 17.372 | 327006 | 20.0 |
| 5-Bromo-2-thiop... | 18.441 | 2.4 | ng | 38475 | 4 | 17.372 | 327006 | 20.0 |
| 11H-Benzo[b]flu... | 20.275 | 2.3 | ng | 76039 | 5 | 21.632 | 657992 | 20.0 |
| 13-Docosenamide... | 23.083 | 4.5 | ng | 146698 | 5 | 21.632 | 657992 | 20.0 |
| Benzo[e]pyrene | 24.534 | 8.4 | ng | 170016 | 6 | 24.828 | 405661 | 20.0 |